METEOROLOGICAL JOURNAL,

KEPT BY THE ASSISTANT SECRETARY,

AT THE APARTMENTS OF THE

ROYAL SOCIETY,

BY ORDER OF

THE PRESIDENT AND COUNCIL.

OBSERVANDA.

Height of the Cistern of the Barometer above the plinth at Waterloo Bridge....83 feet 2 inches.
——————— above the mean level of the sea .....97 feet.
Height of the receiver of the Rain Gauge above the court of Somerset House ..79 feet.
The External Thermometer is 2 feet higher than the Barometer Cistern.
The Thermometers are graduated to Fahrenheit's scale.
The Barometer is divided into inches and tenths.
The Hours of Observation are of Mean Time, the day beginning at Midnight.
The *daily* observations of the Barometer are *not* corrected.
The *monthly means* are corrected for capillarity and temperature by the Table contained in Mr. Baily's paper in *Phil. Trans.* for 1837.

METEOROLOGICAL JOURNAL FOR JULY AND AUGUST, 1839.

1839.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in Inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
JULY															
M 1	30.312	30.304	58.2	30.308	30.302	60.4	46	06.3	55.2	61.8	48.6	55.5		N	A.M. Cloudy—light brisk wind. P. M. Fine—light clouds & wind. Evening, Cloudy.
T 2	30.308	30.300	58.3	30.298	30.290	60.7	50	04.6	56.9	63.3	51.8	63.3		W	Overcast—light wind throughout the day. Ev. Very slight rain.
W 3	30.308	30.300	62.3	30.260	30.252	64.0	53	07.1	61.3	68.6	53.5	64.0		N	Cloudy—light breeze throughout the day. Evening, Overcast.
T 4	30.228	30.222	72.2	30.184	30.178	66.7	55	06.1	63.9	73.3	57.0	66.7		NE	Fine—light clouds and wind throughout the day. Ev. Overcast.
F 5	30.208	30.200	64.3	30.146	30.140	66.5	58	06.6	62.8	69.3	57.8	73.8		E	Overcast—light breeze throughout the day. Ev. Fine & clear.
S 6	30.040	30.034	75.8	29.946	29.940	69.2	62	07.8	66.8	77.9	56.5	80.3		SW	A.M. Fine—light clouds. P.M. Fine—nearly cloudless—light wind. Evening, Fine and clear.
☉ 7	29.860	29.852	67.2	29.788	29.784	69.2	60	07.2	64.9	73.8	59.0	78.2		SE	A.M. Cloudy—lt. breeze. P.M. Lightly ovct.—brisk wind. Ev. Dark heavy clds.—thunder & lightning the whole evening—heavy rain.
M 8	29.664	29.658	71.0	29.654	29.650	68.9	61	08.0	66.2	67.4	61.0	74.4	.094	SSE	A.M. Cloudy—light brisk wind, with heavy shower. P.M. Fine—light clouds and wind. Evening, Fine and clear.
T 9	29.738	29.734	70.7	29.748	29.742	69.4	60	08.1	62.8	65.4	56.2	73.2	.044	S	A.M. Fine—lt. clds.—brisk wind. P.M. Cldy.—very h. wind. Ev. Light rain.
○ W 10	30.008	30.004	76.8	29.996	29.990	66.8	59	08.3	63.7	66.7	53.3	77.3	.022	S	Cloudy—high wind throughout the day. Evening, Fine—light clouds and wind.
T 11	30.016	30.012	80.6	29.946	29.940	69.6	61	08.5	65.4	70.7	58.6	78.3		S	A.M. Fine—light clouds—brisk wind. P.M. Fine and cloudless—brisk wind. Evening, Overcast.
F 12	29.852	29.848	69.5	29.880	29.874	69.5	61	07.2	67.4	68.5	62.4	71.6		S	Cloudy—high wind throughout the day. Ev. Overcast—light rain.
S 13	30.116	30.110	76.2	30.136	30.130	69.9	60	08.6	64.3	72.2	56.6	73.2	.033	S	Fine—light clouds & breeze throughout the day. Ev. Fine & clear.
☉ 14	30.026	30.020	74.9	29.914	29.908	69.2	54	10.5	67.7	68.7	58.2	73.6		E	A.M. Cloudy—light wind. P.M. Overcast—brisk wind. Ev. Dark heavy clouds—high wind.
M 15	30.016	30.010	73.4	30.070	30.062	70.2	61	08.3	65.2	70.7	57.9	70.4	.069	SW var.	Fine—light clouds, with light brisk wind throughout the day. Ev. Cloudy—slight rain.
T 16	30.198	30.192	69.8	30.192	30.186	68.7	56	07.8	64.2	69.8	56.3	69.3		W	A.M. Cloudy—light rain and wind. P.M. Fine—light clouds and wind. Evening, Fine and clear.
W 17	30.100	30.096	77.3	29.934	29.926	69.2	58	09.4	65.4	67.8	53.2	68.7		E var.	A.M. Fine—lt. clouds and breeze. P.M. Cloudy—brisk wind. Ev. Overcast—much lightning, with heavy rain at ½ p. 11.
T 18	29.550	29.542	67.3	29.574	29.568	69.4	64	05.2	67.0	66.8	62.3	72.0	.222	SE	A.M. Ovct.—heavy rain—h. wind. P.M. Cldy.—very h. wind. Ev. Fine & clear.
F 19	29.636	29.630	66.9	29.666	29.658	67.6	59	03.3	63.4	67.4	58.2	68.3		SW var.	A.M. Cloudy—high wind—also throughout the night. P.M. Fine—lt. clouds—high wind. Ev. Overcast—slight rain—high wind.
S 20	29.754	29.748	67.2	29.788	29.784	68.2	59	06.7	63.3	66.7	60.0	67.7		S	A.M. Overcast—brisk wind. P.M. Dark heavy clouds—light rain—high wind. Evening, Cloudy.
☉ 21	29.912	29.906	66.9	29.942	29.938	68.5	58	07.2	63.5	68.7	56.6	72.0		S	Cloudy—light wind throughout the day. Ev. Fine—light clouds.
M 22	30.100	30.092	68.6	30.096	30.088	67.2	59	07.1	64.4	68.3	56.9	72.8		SSE	A.M. Cloudy—light wind—rain early. P.M. Fine—light clouds and breeze. Evening, Overcast—heavy rain.
T 23	30.076	30.070	64.9	30.038	30.032	67.6	60	04.8	63.3	67.5	58.0	69.8	.283	S	Overcast—high wind, with occasional rain throughout the day. Evening, The like.
W 24	29.818	29.810	65.7	29.790	29.786	68.0	60	05.2	63.8	67.2	61.2	69.3	.186	S	A.M. Overcast—brisk wind. P.M. Lightly cloudy—light rain and wind. Evening, Fine and clear.
T 25	29.800	29.794	64.8	29.806	29.800	67.7	60	05.5	63.0	69.8	58.8	69.3		S	A.M. Overcast—lt. wind. P.M. Fine—lt. clouds & wind. Ev. The like.
● F 26	29.794	29.788	65.3	29.680	29.672	65.3	58	06.5	62.3	60.2	55.6	70.3		S	A.M. Cloudy—light rain and wind. P.M. Overcast—light steady rain the rest of the day.
S 27	29.620	29.614	69.3	29.658	29.652	65.9	59	06.6	61.2	61.7	53.5	67.0	.658	S	A.M. Cloudy—light brisk wind. P.M. Overcast—thunder and lightning, with rain. Evening, Overcast—heavy rain.
☉ 28	29.854	29.850	62.2	29.912	29.906	64.0	57	04.5	57.7	64.0	55.0	66.3	.383	WNW	Overcast—light breeze throughout the day. Evening, Cloudy.
M 29	30.068	30.062	64.2	30.008	30.000	64.3	56	06.9	62.3	61.8	53.2	65.6		S	A.M. Cloudy—light breeze. P.M. Overcast—light steady rain. Evening, Overcast—heavy rain—high wind.
T 30	29.804	29.798	61.8	29.768	29.762	62.9	56	04.6	57.7	61.8	54.9	65.8	.322	NW	A.M. Cloudy—light wind—high wind during the night. P.M. Overcast—very light rain. Evening, Light steady rain.
W 31	29.370	29.366	61.6	29.408	29.400	62.2	58	03.5	57.7	57.7	56.0	59.6	.261	S	Overcast—showery nearly the whole day, with high wind. Ev. Ovct.
MEAN.	29.940	29.934	68.2	29.920	29.914	67.0	58.0	06.7	63.1	67.3	56.7	69.9	Sum. 2.577		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.838 .. 29.821 C. 29.831 .. 29.814
AUGUST															
T 1	29.974	29.970	68.6	30.036	30.030	63.7	57	07.1	60.6	68.4	54.4	66.4	.213	W	A.M. Cloudy—lt. breeze. P.M. Fine—lt. clouds. Ev. Fine & clear.
F 2	30.120	30.116	80.0	30.074	30.066	66.5	59	08.2	65.3	73.8	56.2	76.2		S	Fine & cloudless—light breeze throughout the day. Ev. Light fog.
S 3	30.096	30.092	74.2	30.104	30.098	69.5	61	08.8	68.8	78.3	59.9	74.4		NNW	Fine and cloudless throughout the day. Evening, Fine—light clouds.
☉ 4	30.222	30.216	66.6	30.246	30.242	70.0	61	05.6	62.0	70.4	61.3	78.6		NNW	Fine—light clouds and breeze throughout the day. Evening, Fine and clear.
M 5	30.348	30.344	74.4	30.300	30.294	68.4	59	08·8	61.8	68.8	52.6	71.0		NW	Fine and cloudless—light breeze throughout the day. Evening, Fine and clear.
T 6	30.228	30.222	77.0	30.156	30.148	69.8	60	08.3	65.5	70.4	56.4	71.3		S	A.M. Fine—lt. clouds & breeze. P.M. Cloudy. Ev. Fine & clear.
W 7	29.844	29.838	65.6	29.766	29.760	66.8	59	06.9	63.4	63.8	60.0	71.7		SSW	A.M. Cloudy—lt. breeze. P.M. Cloudy—occasional rain. Ev. Overcast—¼ p. 10 heavy rain, with thunder & lightning, for 15 min.
T 8	29.998	29.992	74.4	30.050	30.044	68.3	60	07.5	61.2	65.7	53.7	71.2	.288	NW	Fine—light clouds and breeze throughout the day. Ev. Fine & clear.
○ F 9	30.188	30.182	77.6	30.136	30.130	68.3	59	07.1	64.0	69.3	53.9	76.3		SSW	Fine—light clouds and breeze throughout the day. Evening, Cloudy.
S 10	30.152	30.146	76.9	30.082	30.076	68.3	60	06.0	64.6	69.7	56.2	71.3		SW	A.M. Cloudy—light breeze. P.M. Fine—light clouds. Evening, Fine and clear.
☉ 11	30.060	30.052	71.0	30.104	30.098	66.9	59	08.2	63.7	65.8	55.9	70.2		SW var.	A.M. Cloudy—brisk wind. P.M. Fine—light clouds and wind—(rainbow). Evening, Fine and clear.
M 12	30.314	30.306	68.7	30.280	30.276	61.8	57	06.6	59.3	63.6	53.2	67.0		NW	Cloudy—light breeze throughout the day. Evening, The same.
T 13	30.208	30.200	66.8	30.144	30.136	64.6	50	07.4	58.3	64.8	53.3	62.6		NW	A.M. Fine—lt. clouds & breeze. P.M. Cloudy—lt. wind. Ev. The same.
W 14	30.014	30.006	70.2	29.930	29.926	66.7	58	07.8	63.8	66.8	57.3	70.0		SE	Cloudy—light breeze throughout the day. Evening, The same.
T 15	29.696	29.690	62.7	29.626	29.622	64.2	55	05.7	61.0	63.8	57.8	68.7		E	A.M. Light fog and wind. P.M. Cloudy—light showers. Evening, Fine and clear.
F 16	29.654	29.650	71.2	29.634	29.630	67.0	59	06.3	64.3	68.7	56.9	65.0	.019	S	A.M. Fine—light clouds and breeze, with light showers. P.M. Fine—light clouds and wind. Evening, Cloudy.
S 17	29.670	29.666	64.5	29.712	29.704	66.2	59	06.0	61.8	65.3	56.4	70.0	.686	S	At ½ p. 1 very heavy rain, which continued an hour and a half. P.M. Cloudy—light breeze. Evening, Overcast.
☉ 18	30.030	30.024	70.5	30.040	30.032	65.3	57	06.2	69.3	64.3	52.9	67.8		N	A.M. Fine—lt. clds. & breeze. P.M. Thick haze. Ev. Ovct.—heavy rain.
M 19	29.946	29.940	70.4	29.990	29.982	64.3	58	05.7	60.2	56.5	55.8	66.0	.347	WNW	Cloudy—light wind, with showers nearly the whole of the day. Evening, The same.
T 20	30.080	30.072	60.2	30.110	30.102	62.3	51	03.8	52.5	55.4	49.4	59.4	.133	W	Overcast—light wind, with showers nearly the whole of the day. Evening, Fine and clear.
W 21	30.244	30.240	69.8	30.206	30.198	60.6	50	06.4	54.2	59.2	45.4	56.3	.025	NW	Fine—lt. clouds & wind throughout the day. Ev. Cloudy—light fog.
T 22	30.230	30.222	62.4	30.204	30.200	61.0	49	06.6	57.7	64.8	49.7	60.2		S	Fine—light clouds throughout the day. Evening, Fine and clear.
F 23	30.266	30.258	60.0	30.246	30.238	62.8	56	05.5	62.4	70.3	57.2	65.3		S	A.M. Light fog & wind. P.M. Fine—lt. clouds. Ev. Fine and clear.
● S 24	30.140	30.132	63.8	30.062	30.056	65.4	59	04.9	62.5	69.5	57.6	70.8		S	A.M. Lightly overcast—lt. wind. P.M. Cloudy—lt. wind. Ev. The same.
☉ 25	30.026	30.018	64.2	29.972	29.968	66.5	59	05.4	62.3	70.6	60.0	70.5		W	A.M. Lightly overcast. P.M. Fine—light clouds. Ev. Fine & clear.
M 26	29.966	29.960	70.3	29.912	29.904	67.3	59	07.8	65.3	68.7	54.8	71.5		W	A.M. Fine—lt. clouds & wind. P.M. Cloudy—lt. wind. Ev. The same.
T 27	29.818	29.812	65.3	29.826	29.820	66.0	58	05.2	68.8	64.7	55.8	70.3		NW	A.M. Cloudy—light wind. P.M. Fine—light clouds and wind. Evening, Cloudy—light rain.
W 28	30.072	30.064	61.2	30.048	30.042	63.3	54	04.6	55.4	65.3	50.9	65.0	.066	SW	A.M. Overcast—lt. wind. P.M. Fine—lt. clouds & wind. Ev. Cloudy.
T 29	29.942	29.936	62.3	29.892	29.884	65.3	60	04.1	62.3	67.7	54.9	65.3		S	A.M. Ovct.—brisk wind. P.M. Fine—lt. clds.—brisk wind. Ev. Cldy.
F 30	29.846	29.840	63.4	29.810	29.806	66.0	59	04.4	61.7	66.5	59.9	68.3	.133	SE	Overcast—light wind, with occasional showers throughout the day. Evening, The same.
S 31	29.530	29.526	63.0	29.382	29.378	63.5	61	03.3	61.8	59.3	57.0	66.8	.058	SSW	Overcast—brisk wind, with occasional showers throughout the day. Evening, The same.
MEAN.	30.030	30.024	68.3	30.003	29.996	65.7	57.5	06.3	62.1	66.5	55.4	68.6	Sum. 1.968		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.926 .. 29.906 C. 29.919 .. 29.899

METEOROLOGICAL JOURNAL FOR SEPTEMBER AND OCTOBER, 1839.

1839.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M., deg. Fahr.	Diff. of Wet and Dry Bulb Thermometer.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
SEPTEMBER															
☉ 1	29.072	29.068	67.5	29.098	29.094	64.0	60	04.5	62.0	63.7	56.6	63.5	.180	SW var.	A.M. Overcast—showery—brisk wind. P.M. Fine—light clouds—high wind. Evening, The like. [Ev. The like.
M 2	29.220	29.216	67.0	29.204	29.200	63.0	53	06.8	59.8	61.0	53.0	64.8	.008	WSW	A.M. Fine—lt. clouds—brisk wind. P.M. Ovct.—showery—brisk wind.
T 3	29.450	29.446	62.2	29.494	29.488	61.0	55	04.0	57.7	60.0	52.0	63.5	.122	SW var.	A.M. Overcast—brisk wind, with occasional rain. P.M. Fine—light clouds—brisk wind. Evening, The like—Aurora visible.
W 4	29.764	29.760	61.0	29.856	29.852	61.0	54	04.5	57.5	65.0	50.0	61.0	.041	W	Fine—light clouds and wind throughout the day. Evening, Overcast—light rain throughout the night.
T 5	29.918	29.912	60.8	29.894	29.890	62.5	58	03.2	62.4	66.0	57.0	66.0	.133	W	Overcast—light wind throughout the day. Evening, The like.
F 6	30.032	30.028	66.2	30.040	30.036	63.2	58	04.0	61.8	67.0	56.0	67.0	.061	W	Fine—light clouds and wind throughout the day. Evening, The like.
○ S 7	29.916	29.910	63.2	29.854	29.850	64.0	57	04.2	62.5	64.0	55.0	68.0	.011	S	Slightly overcast—brisk wind throughout the day. Ev. The like.
☉ 8	29.978	29.974	66.0	30.032	30.028	64.8	56	05.7	60.8	66.2	56.2	65.7	.030	SW var.	Overcast—brisk wind throughout the day. Evening, Fine—light clouds—brisk wind.
M 9	30.046	30.042	63.5	29.994	29.990	65.5	60	05.0	65.0	67.2	61.0	68.0		SW	Fine—light clouds—brisk wind throughout the day. Ev. The like.
T 10	30.030	30.026	63.0	30.100	30.094	65.0	60	02.0	62.4	69.3	57.0	69.5		W	A.M. Overcast—P.M. Fine—light clouds. Evening, Overcast.
W 11	30.048	30.042	64.0	29.950	29.946	66.0	62	01.7	62.2	68.3	60.5	70.0		SE	Overcast—light fog throughout the day. Evening, The like.
T 12	29.804	29.800	64.0	29.772	29.768	65.0	59	03.5	61.0	61.5	60.0	69.8	.019	NW	Overcast throughout the day. Evening, The like.
F 13	29.672	29.668	64.2	29.572	29.568	63.0	54	04.5	57.5	60.4	49.0	63.0		SW	A.M. Fine—light clouds. P.M. Showery. Ev. Lightly overcast.
S 14	29.166	29.162	60.0	29.110	29.106	60.0	59	03.0	58.6	58.8	53.5	63.5	.013	SE	Overcast—light wind, with occasional showers throughout the day. Evening, Overcast—light rain.
☉ 15	29.148	29.144	60.0	29.198	29.192	61.6	58	02.5	58.5	61.2	55.0	60.9	.205	S	Overcast—light showers throughout the day. Evening, The like.
M 16	29.368	29.364	61.5	29.382	29.378	61.4	55	03.5	58.5	61.5	53.5	62.5	.105	S	Overcast—brisk wind throughout the day. Evening, Overcast—rain—brisk wind.
T 17	29.554	29.550	62.5	29.494	29.490	60.2	55	04.5	58.2	56.0	53.6	62.5	.102	SW	A.M. Overcast—brisk wind. P.M. Ovct—steady rain. Ev. The like.
W 18	29.530	29.526	62.0	29.564	29.560	59.0	55	03.8	58.0	57.8	49.0	60.8	.691	SW	Fine—light clouds and wind throughout the day, with occasional showers. Evening, The same.
T 19	29.518	29.514	56.4	29.488	29.484	58.0	53	03.8	58.5	56.7	51.0	60.0	.672	SSW	A.M. Lightly overcast—heavy rain early. P.M. Overcast—light rain and wind. Evening, Fine and clear.
F 20	29.626	29.622	57.6	29.634	29.630	58.0	53	03.5	58.3	61.0	51.0	60.9	.036	SSW	A.M. Fine—lt. clouds & wind. P.M. Overcast—lt. wind. Ev. Lt. rain.
S 21	29.528	29.522	57.0	29.554	29.550	58.4	52	01.4	51.7	56.3	51.9	61.7	.102	NW	A.M. Overcast—light rain and wind. P.M. Fine—light clouds and wind. Evening, Fine—light clouds.
☉ 22	29.628	29.622	57.3	29.624	29.618	58.8	52	03.1	55.4	58.7	50.0	58.7	.336	SSE	Overcast—light wind throughout the day. Ev. Overcast—light rain.
● M 23	29.784	29.776	56.2	29.806	29.800	57.5	50	04.5	52.5	60.5	46.0	60.3	.044	SW	A.M. Fine—light fog & wind. P.M. Overcast. Ev. Fine and clear.
T 24	29.894	29.884	55.0	29.846	29.838	58.2	50	04.3	54.6	60.5	49.0	59.2		S	A.M. Light fog. P.M. Overcast—light wind. Evening, The same.
W 25	29.768	29.762	58.2	29.796	29.792	60.0	57	02.7	60.3	63.0	54.0	60.0	.055	SSW	A.M. Overcast—brisk wind. P.M. Fine—light clouds—brisk wind. Evening, Overcast—brisk wind.
T 26	29.856	29.850	60.2	29.844	29.840	61.0	55	04.0	59.0	61.9	55.0	64.5	.016	WSW	A.M. Lightly overcast—light wind. P.M. Fine—light clouds—brisk wind. Evening, The same.
F 27	29.930	29.924	59.0	29.828	29.824	59.0	52	03.5	55.0	58.7	48.5	63.0		SSW	Lightly overcast—brisk wind throughout the day. Ev. The same.
S 28	29.498	29.492	57.0	29.482	29.478	58.8	55	02.5	56.0	59.3	54.0	60.5		S	A.M. Overcast—light wind. P.M. Fine—light clouds. Ev. The same.
☉ 29	29.642	29.638	57.0	29.686	29.682	57.8	50	03.0	52.6	61.3	48.0	60.4		WSW	A.M. Lightly overcast—light wind. P.M. Fine—light clouds and wind. Evening, The same.
M 30	29.856	29.850	54.4	29.884	29.880	56.3	49	03.0	51.5	59.5	45.0	60.0		E	A.M. Light fog. P.M. Lightly overcast. Evening, Cloudy.
MEAN.	29.675	29.670	60.8	29.669	29.665	61.1	55.2	03.7	58.3	61.7	53.0	63.5	Sum. 2.982		Mean Barometer corrected..... 9 A.M. 3 P.M. F. 29.593 .. 29.587 C. 29.587 .. 29.582
OCTOBER															
T 1	30.000	29.992	54.6	29.908	29.900	56.9	51	03.2	53.4	61.3	48.4	58.4		ENE	A.M. Fine—light fog. P.M. Fine—nearly cloudless—light breeze. Evening, Light fog.
W 2	29.688	29.682	56.2	29.674	29.668	58.5	51	04.5	55.8	61.4	50.9	61.8		S	A.M. Fine—light clouds—fog early. P.M. Lightly cloudy. Evening, Cloudy—light rain.
T 3	30.004	29.996	54.3	29.912	29.904	55.3	44	04.0	48.7	55.4	44.2	63.0	.102	SSW	A.M. Light fog. P.M. Fine—light clouds and wind. Evening, Overcast—light rain.
F 4	29.456	29.450	54.8	29.486	29.480	57.0	51	03.7	54.8	58.0	47.9	55.3	.172	S	A.M. Overcast—lt. rain. P.M. Heavy shower. Ev. Continued rain.
S 5	30.018	30.012	54.3	30.136	30.128	56.6	49	02.9	49.5	53.5	49.3	60.0	.538	NW	A.M. Overcast—brisk wind, as also during the night. P.M. Cloudy—light wind. Evening, Fine and clear.
☉ 6	30.302	30.298	51.9	30.284	30.280	54.0	47	03.3	49.8	56.6	44.7	52.3		N	A.M. Fine—light clouds and wind. P.M. Lightly overcast—light wind. Evening, Fine and clear.
○ M 7	30.298	30.292	51.6	30.260	30.252	54.0	46	04.1	51.3	56.2	45.9	52.0		N	Fine—lt. clouds & wind throughout the day. Ev. Fine and clear.
T 8	30.120	30.114	52.9	30.042	30.036	55.2	47	04.0	52.8	58.8	51.0	53.3		NW	Overcast—light fog and wind throughout the day. Ev. The like.
W 9	29.876	29.868	57.3	29.840	29.832	60.0	55	03.7	59.7	62.2	51.4	60.0		S	Cloudy—lt. wind throughout the day. Ev. Overcast—rain and wind.
T 10	29.642	29.636	59.9	29.672	29.666	61.3	57	04.2	60.6	60.5	58.2	60.8	.027	S	Fine—light clouds—high wind throughout the day. Evening, Cloudy—light shower.
F 11	29.598	29.594	59.2	29.590	29.584	61.6	57	04.0	59.7	66.6	54.7	62.3	.036	E	A.M. Fine and cloudless—light wind. P.M. Light clouds & wind. Evening, Cloudy—light rain.
S 12	29.844	29.840	59.9	29.968	29.960	60.0	53	05.4	56.3	63.8	54.3	63.5	.250	S	A.M. Fine—light clouds—brisk wind—rain during the night. P.M. Fine—light clouds. Evening, Light fog.
☉ 13	30.020	30.014	56.7	29.996	29.992	58.0	51	03.3	52.3	57.2	49.6	52.4		SE	A.M. Thick fog. P.M. Fine—lt. clds.—brisk wind. Ev. Fine & clear.
M 14	29.938	29.932	54.9	29.868	29.862	57.8	52	02.9	54.8	57.8	48.0	55.0		SE	Fine—nearly cloudless—lt. wind throughout the day. Ev. Fine & clear.
T 15	29.818	29.812	54.5	29.874	29.868	55.9	49	02.6	52.2	54.4	50.2	59.0		S	A.M. Overcast—light mist—cloudy—light wind. Ev. Fine and clear.
W 16	30.074	30.066	53.3	30.040	30.032	55.2	48	05.0	52.7	55.7	46.2	52.5	.033	SW	A.M. Fine and cloudless—rain during the night. P.M. Fine—light clouds. Evening, Fine and clear.
T 17	30.092	30.086	51.6	30.076	30.068	53.7	46	03.1	48.0	56.4	43.8	51.3		S	A.M. Fine—light fog. P.M. Fine—light clouds. Evening, Overcast.
F 18	29.866	29.858	52.8	29.876	29.870	54.3	50	01.4	50.8	52.5	47.5	54.7	.219	E	A.M. Overcast—light mist and wind—heavy rain during the night. P.M. Fine—light clouds—brisk wind. Ev. Overcast—lt. rain.
S 19	30.044	30.036	51.9	30.066	30.058	53.3	48	03.5	50.2	54.7	47.0	51.6	.019	SW	A.M. Overcast—light fog and wind. P.M. Fine—light clouds. Evening, Light fog.
☉ 20	30.092	30.086	49.4	30.016	30.010	52.0	43	01.6	41.2	55.0	49.6	55.6		W	A.M. Thick fog—light wind. P.M. Fine—light clouds and wind. Evening, Light fog.
M 21	30.064	30.056	52.6	30.072	30.066	53.9	49	02.3	54.0	56.2	41.0	54.3		ENE	Overcast—light wind throughout the day. Evening, Light fog.
● T 22	30.156	30.148	54.2	30.130	30.124	54.7	50	02.9	53.3	54.7	52.8	53.6		SE	Overcast—lt. wind throughout the day. Ev. Overcast—very fine rain.
W 23	30.086	30.078	54.3	30.060	30.052	54.8	49	03.2	53.2	53.2	52.7	53.4		SE	Overcast—light wind throughout the day, with occasional rain. Evening, The like.
T 24	30.050	30.042	53.3	30.048	30.042	53.7	49	01.4	48.8	48.8	49.3	49.5	.175	E	Overcast—light rain and wind throughout the day. Ev. The like.
F 25	30.264	30.256	51.3	30.316	30.308	52.2	47	02.3	48.3	48.0	46.4	50.0	.266	NNE	A.M. Overcast—very light rain—brisk wind. P.M. Fine—light clouds and wind. Evening, Cloudy.
S 26	30.330	30.322	50.0	30.302	30.294	51.2	45	03.0	46.3	49.2	44.0	50.4		N	Fine—light clouds & wind throughout the day. Ev. Fine and clear.
☉ 27	30.272	30.268	47.5	30.218	30.212	49.0	42	02.4	42.0	47.0	40.6	50.0		NW	A.M. Fine and cloudless—light wind. P.M. Fine—light clouds and wind. Evening, Overcast—very fine rain and wind.
M 28	30.314	30.306	45.3	30.314	30.306	47.2	39	02.9	42.7	45.7	40.4	49.0		N	A.M. Fine—nearly cloudless—light wind. P.M. Fine—light clouds and wind. Evening, Overcast—light rain.
T 29	30.316	30.308	43.6	30.260	30.254	44.8	37	06.2	42.7	43.8	37.3	47.2	.060	NE	A.M. Cloudy—brisk wind. P.M. Fine—lt. clouds & wind. Ev. Overcast.
W 30	30.142	30.134	43.2	30.052	30.046	45.2	38	03.6	41.4	45.8	39.8	45.0		NE	Cloudy—lt. brisk wind throughout the day. Ev. Overcast—lt. rain.
T 31	29.940	29.932	42.8	29.876	29.870	42.7	38	01.7	39.3	40.7	39.8	44.8	.061	NE	Overcast—lt. rain—brisk wind throughout the day. Ev. The like.
MEAN.	30.023	30.017	52.6	30.008	30.001	54.2	47.7	03.3	50.5	54.6	47.3	54.3	Sum. 1.958		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.962 .. 29.943 C 29.955 .. 29.935

The observations for the month of September were not taken by the Assistant Secretary, on account of absence.

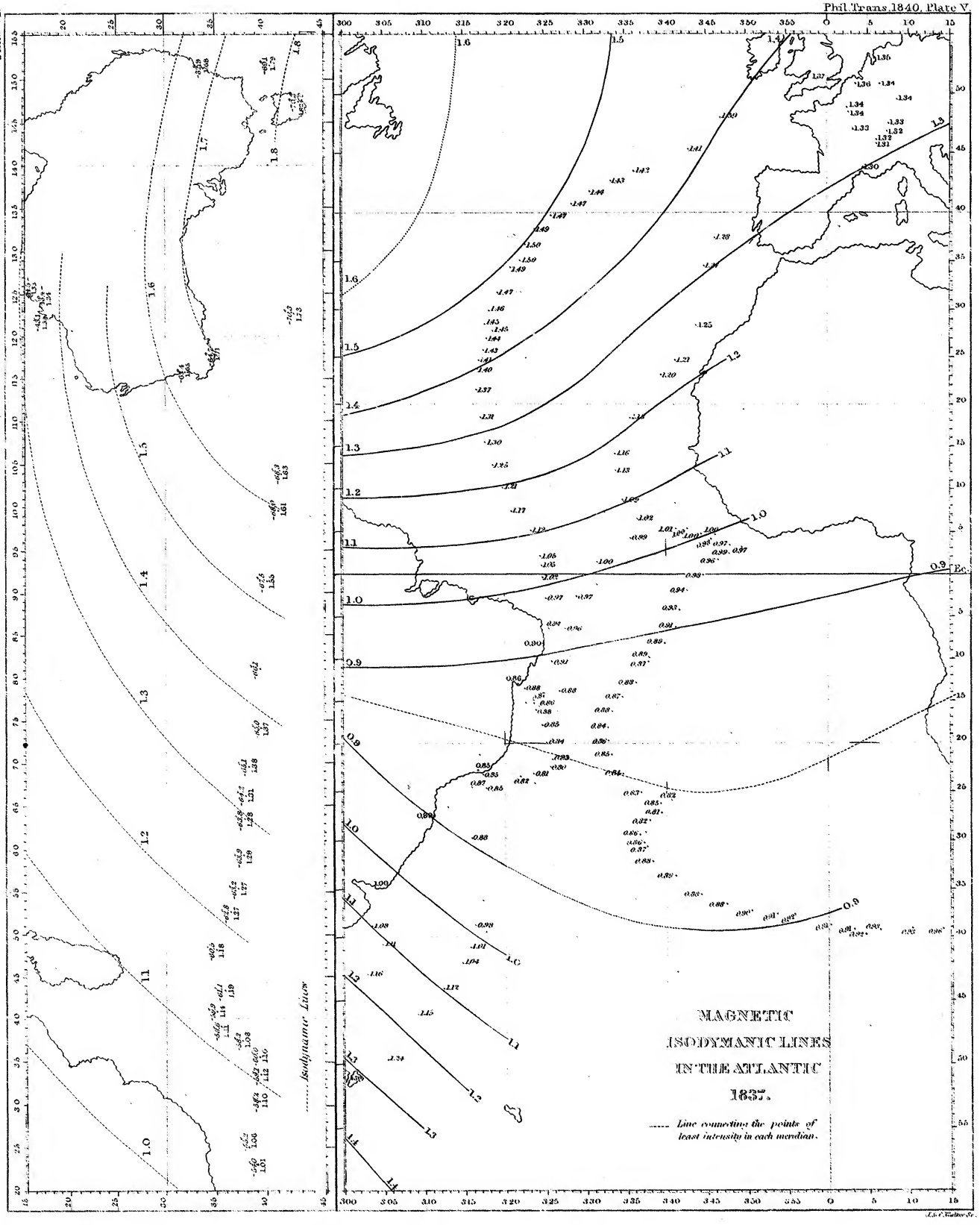
METEOROLOGICAL JOURNAL FOR NOVEMBER AND DECEMBER, 1839.

1839.	9 o'clock, A.M. Barometer uncorrected. Flint Glass.	9 o'clock, A.M. Barometer uncorrected. Crown Glass.	9 o'clock, A.M. Att. Ther.	3 o'clock, P.M. Barometer uncorrected. Flint Glass.	3 o'clock, P.M. Barometer uncorrected. Crown Glass.	3 o'clock, P.M. Att. Ther.	Dew Point at 9 A.M. deg. Fahr.	Diff. of Wet and Dry Bulb Ther.	External Thermometers. Fahrenheit. 9 A.M.	External Thermometers. Fahrenheit. 3 P.M.	External Thermometers. Self-registering. Lowest	External Thermometers. Self-registering. Highest	Rain in inches. Read off at 9 A.M.	Direction of the Wind at 9 A.M.	REMARKS.
NOVEMBER															
F 1	29.714	29.706	42.6	29.672	29.664	43.8	39	02.3	41.2	44.8	39.8	41.7	.044	E	Overcast—high wind throughout the day, as also the evening.
S 2	29.618	29.612	45.0	29.544	29.538	45.3	41	00.2	42.7	44.2	40.0	46.0	.044	N	Overcast—light rain—brisk wind throughout the day. Ev. The like.
☉ 3	29.612	29.604	46.6	29.556	29.550	48.2	41	01.2	48.2	51.2	42.7	49.0	.302	NE	A.M. Light fog and wind—deposition. P.M. Overcast—lt. wind. Evening, Rain and wind.
M 4	29.512	29.504	49.8	29.538	29.530	51.2	46	02.2	50.3	52.3	46.2	51.7	.263	W	A.M. Overcast—light wind. P.M. Fine—light clouds. Evening, Overcast—light rain.
T 5	29.572	29.566	49.3	29.658	29.650	50.3	45	02.0	47.7	50.3	45.2	53.3	.088	W	A.M. Lightly overcast—light rain and wind. P.M. Fine—light clouds. Evening, Overcast.
○ W 6	29.746	29.742	48.8	29.712	29.704	49.2	46	02.3	45.7	48.0	45.3	46.5		W	A.M. Thick fog. P.M. Fine—light haze. Ev. Overcast—fine rain.
T 7	29.624	29.618	49.2	29.616	29.608	50.3	46	01.3	48.3	50.8	45.6	49.2	.116	E	Overcast—lt. rain and wind throughout the day, as also the evening.
F 8	29.806	29.800	51.2	29.684	29.676	52.2	48	02.2	49.8	52.2	48.5	52.0	.033	SE	Overcast—light wind, with occasional fine rain throughout the day. Evening, Very fine rain.
S 9	29.506	29.500	50.9	29.456	29.450	52.0	46	02.5	49.3	53.3	48.7	49.8		E	A.M. Fine clouds and wind. P.M. Overcast—light wind. Evening, Very light rain.
☉ 10	29.378	29.372	52.3	29.206	29.200	52.8	49	01.6	52.4	51.3	48.7	54.6		E	Overcast—very light rain & wind throughout the day. Ev. The like.
M 11	29.248	29.242	52.8	29.262	29.258	53.3	49	02.0	48.7	51.7	47.5	48.4	.463	S	Fine—light clouds and wind throughout the day. Ev. Overcast.
T 12	29.418	29.412	51.3	29.466	29.458	52.5	48	01.8	47.9	53.2	46.0	48.7		SE	A.M. Light fog and wind. P.M. Fine—light clouds. Ev. Overcast.
W 13	29.748	29.742	51.4	29.822	29.814	51.7	48	01.7	48.7	50.7	47.4	49.4		NNW	A.M. Light fog and wind. P.M. Overcast—lt. wind. Ev. Light fog.
T 14	29.988	29.980	51.2	29.978	29.970	51.5	48	02.4	47.4	52.3	47.4	48.0		SSE	A.M. Fine—light clouds and wind. P.M. Overcast—light rain. Evening, Overcast—deposition.
F 15	29.980	29.974	51.9	29.914	29.906	52.7	49	02.2	52.5	53.2	47.4	52.8		SE	Overcast—light fog throughout the day. Evening, Light rain.
S 16	29.886	29.880	53.2	29.900	29.894	54.3	50	02.3	52.8	55.4	51.5	53.0	.036	SW	A.M. Light fog and wind. P.M. Fine—light clouds. Ev. Cloudy.
○ 17	30.044	30.036	52.8	30.034	30.030	54.0	50	01.8	51.8	54.5	50.6	52.4		S	Overcast, with occasional rain throughout the day. Ev. The like.
M 18	29.992	29.984	54.4	29.966	29.958	55.0	52	02.2	54.8	53.8	50.6	55.3	.150	S	Overcast—light rain and wind throughout the day. Evening, Cloudy—light rain.
T 19	29.992	29.986	53.3	29.920	29.914	54.0	50	01.9	49.4	52.8	47.9	50.3	.305	S	Fine—lt. clouds & wind throughout the day. Ev. Overcast—lt. rain.
W 20	30.064	30.056	51.6	30.090	30.082	51.6	45	02.4	44.7	48.4	44.6	49.7	.063	W	A.M. Lightly cloudy—light wind. P.M. Fine—light clouds. Evening, Fine and clear.
● T 21	29.472	29.468	48.9	29.482	29.476	48.6	44	02.1	45.2	44.2	42.4	48.2	.244	E	Overcast—brisk wind, with occasional rain throughout the day. Rain during the night. Evening, Fine and clear.
F 22	29.916	29.908	46.6	30.032	30.024	47.3	42	01.7	42.2	45.0	39.6	42.7		NW	A.M. Fine—light clouds and wind. P.M. Cloudy. Ev. Fine & clear.
S 23	30.208	30.200	43.2	30.220	30.212	44.2	39	01.5	38.2	43.6	35.7	40.5		NW	A.M. Light fog & wind. P.M. Fine—lt. clouds & wind. Ev. Cloudy.
☉ 24	30.156	30.150	42.7	29.928	29.920	43.8	38	01.5	40.3	46.7	37.0	40.7		SW	Overcast—light wind with occasional rain throughout the day. Evening, The like.
M 25	29.680	29.674	47.3	29.542	29.534	49.0	45	02.4	50.7	55.5	40.3	51.2	.044	SW	Overcast—very fine rain throughout the day. Evening, The like.
T 26	29.420	29.412	47.9	29.386	29.378	48.0	45	01.5	42.2	43.5	38.2	42.5	.169	SSW	A.M. Light fog and wind. P.M. Fine—light clouds. Evening, Fine and clear—frost during the night.
W 27	29.436	29.430	42.8	29.424	29.416	42.3	37	01.6	34.7	35.7	34.6	44.6		S	A.M. Thick fog. P.M. Overcast—light rain and snow. Evening, Continued heavy rain.
T 28	29.546	29.540	41.7	29.552	29.548	42.3	37	00.8	39.2	43.3	33.4	39.8	1.460*	E	A.M. Overcast—light rain and wind—heavy rain throughout the night. P.M. Overcast—brisk wind. Evening, The like.
F 29	29.268	29.260	43.4	29.170	29.166	44.8	39	00.2	43.3	44.7	39.4	44.0	.133	E	Overcast—light rain—brisk wind throughout the day. Ev. The like.
S 30	29.606	29.598	45.2	29.638	29.632	46.0	38	02.0	42.4	46.4	42.3	42.7	.250	S	Fine—nearly cloudless—light wind throughout the day. Evening, Overcast—very light rain.
MEAN.	29.705	29.699	48.6	29.679	29.672	49.4	44.7	01.8	46.4	49.1	43.8	48.0	Sum. 4.207		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.656 .. 29.627 C. 29.649 .. 29.619
DECEMBER															
☉ 1	29.708	29.700	43.4	29.734	29.726	43.2	38	01.1	37.7	39.8	37.6	38.4		E	Thick fog throughout the day, as also the evening.
M 2	29.882	29.874	41.9	29.892	29.886	42.3	36	01.5	38.8	42.3	37.2	39.4		E	A.M. Thick fog. P.M. Overcast—deposition. Evening, Light fog.
T 3	29.960	29.952	42.9	29.948	29.940	42.2	38	01.9	38.8	39.4	35.8	39.4		S	Light fog throughout the day, as also the evening.
W 4	29.830	29.822	39.8	29.800	29.794	40.2	34	02.4	34.3	37.8	32.0	34.6	.038	NNW	Fine—lt. clouds & wind throughout the day. Evening, Fine & clear.
T 5	30.096	30.090	39.0	30.152	30.146	39.7	33	01.8	36.7	37.3	33.3	37.2		SW	A.M. Light fog and wind. P.M. Light clouds and wind. Evening, Cloudy—light rain.
○ F 6	30.364	30.360	40.3	30.356	30.350	40.2	35	01.2	36.7	36.2	36.0	37.3		W	A.M. Thick fog—deposition. P.M. Ovct.—deposition. Ev. The like.
S 7	30.332	30.324	39.3	30.278	30.270	40.5	33	01.1	34.9	39.7	34.2	35.3		E	A.M. Light fog—deposition. P.M. Fine—light clouds. Evening, Fine and clear—frosty.
☉ 8	30.096	30.090	37.6	30.018	30.012	37.8	32	01.1	35.4	35.7	33.4	35.9		E	Overcast—light brisk wind throughout the day, as also the evening.
M 9	29.830	29.824	37.3	29.730	29.724	37.6	31	01.8	34.9	36.3	34.7	36.0		NW	Overcast—deposition throughout the day, as also the evening.
T 10	29.606	29.600	37.4	29.586	29.580	37.8	31	02.3	34.2	36.0	34.2	36.7		E	Overcast—light wind—frosty throughout the day. Evening, Overcast—deposition.
W 11	29.664	29.656	39.0	29.386	29.382	40.4	37	01.3	42.4	43.7	34.3	43.0		E	Overcast—deposition—light wind throughout the day. Evening, Overcast—light rain and wind.
T 12	29.248	29.242	42.0	29.142	29.138	43.6	39	02.1	44.8	46.8	41.9	45.3	.083	E	A.M. Overcast—brisk wind. P.M. Fine—light clouds. Evening, Overcast—light rain.
F 13	29.294	29.288	43.8	29.268	29.262	44.6	40	02.2	43.3	46.3	41.3	46.4	.061	S	A.M. Fine—lt. clouds and wind. P.M. Cloudy, as also the evening.
S 14	29.230	29.226	44.7	29.296	29.290	45.7	39	01.9	44.2	46.3	42.3	44.4	.250	S	A.M. Overcast—brisk wind—heavy rain during the night. P.M. Fine—light clouds—showery. Evening, Fine and clear.
☉ 15	29.590	29.584	43.2	29.496	29.492	44.0	36	01.3	39.3	43.2	38.8	40.0		SW	A.M. Light fog—deposition. P.M. Overcast. Evening, Light rain.
M 16	29.696	29.690	43.2	29.846	29.840	43.7	38	00.5	40.3	42.5	38.8	40.5	.122	W	Overcast—light wind throughout the day. Evening, Fine & clear.
T 17	30.074	30.068	42.5	29.964	29.956	43.2	37	01.5	38.3	41.5	37.4	38.8		NE	Fine—light clouds and wind throughout the day. Evening, Cloudy.
W 18	29.516	29.508	39.9	29.400	29.394	41.6	32	02.0	35.2	38.7	34.7	35.5		E	A.M. Cloudy—light brisk wind. P.M. Overcast—light rain and wind. Evening, The like.
T 19	29.418	29.412	42.6	29.412	29.404	44.7	40	01.1	47.7	49.7	34.7	48.4	.333	S	Overcast—light wind, with occasional rain throughout the day. Evening, The like.
● F 20	29.282	29.276	48.7	29.276	29.272	50.0	46	01.1	51.3	52.8	47.3	51.7	.322	S	A.M. Overcast—light rain and wind. P.M. Cloudy—light wind. Evening, Overcast—light rain.
S 21	29.552	29.548	49.9	29.532	29.528	50.9	45	01.5	47.3	49.9	46.6	47.7	.180	S	Fine—light clouds throughout the day. Ev. Overcast—light rain.
☉ 22	29.550	29.544	53.3	29.462	29.458	52.0	49	00.7	49.9	52.5	46.8	50.6	.061	SW	Overcast—very fine rain throughout the day, as also the evening, with high wind.
M 23	29.586	29.580	51.8	29.484	32.476	52.8	48	01.5	48.6	49.8	48.4	49.3	.125	S	A.M. Fine—light clouds and wind. P.M. Overcast—light rain. Evening, Overcast—light rain—high wind.
T 24	29.244	29.238	53.8	29.306	29.300	54.2	52	02.5	53.4	50.5	48.5	54.6	.288	S	A.M. Dark heavy clouds—high wind—very high wind throughout the night. P.M. Light clouds. Ev. Overcast—brisk wind.
W 25	29.528	29.520	50.7	29.562	29.554	51.0	48	02.3	47.7	46.5	45.9	49.4		S	Fine—lt. clouds & wind throughout the day. Ev. Fine starlight night.
T 26	29.732	29.726	45.9	29.500	29.496	45.2	42	01.6	40.7	40.7	38.3	41.2		S	A.M. Overcast—lt. fog & wind. P.M. Light rain & wind. Ev. The like.
F 27	29.342	29.334	47.7	29.488	29.480	48.0	45	01.6	47.2	43.8	39.4	47.8	.305	W	A.M. Overcast—light rain and wind. P.M. Fine—light clouds. Evening, Overcast—light rain.
S 28	29.752	29.746	44.3	29.822	29.816	44.3	40	01.5	35.7	39.4	35.8	36.0	.158	NW	A.M. Light fog—deposition. P.M. Overcast. Evening, Fine starlight night—sharp frost.
☉ 29	30.280	30.272	40.5	30.350	30.344	41.0	33	00.5	33.3	38.2	32.2	33.5		W	Fine—light clouds throughout the day—white frost. Evening, Fine and clear—sharp frost.
M 30	30.398	30.390	38.2	30.284	30.278	38.8	33	00.6	32.3	39.8	32.0	35.2		SW	A.M. Thick fog—sharp frost. P.M. Ovct.—lt. wind. Ev. Very lt. rain.
T 31	29.924	29.916	41.0	29.798	29.792	43.3	38	01.3	44.8	47.6	32.0	45.3		S	A.M. Ovct.—lt. wind. P.M. Fine—lt. clouds. Ev. Ovct.—deposition.
MEAN.	29.729	29.723	43.4	29.696	29.690	44.0	38.6	01.5	41.0	43.9	38.4	41.8	Sum. 2.326		Mean Barometer corrected ..... 9 A.M. 3 P.M. F. 29.693 .. 29.659 C. 29.686 .. 29.651

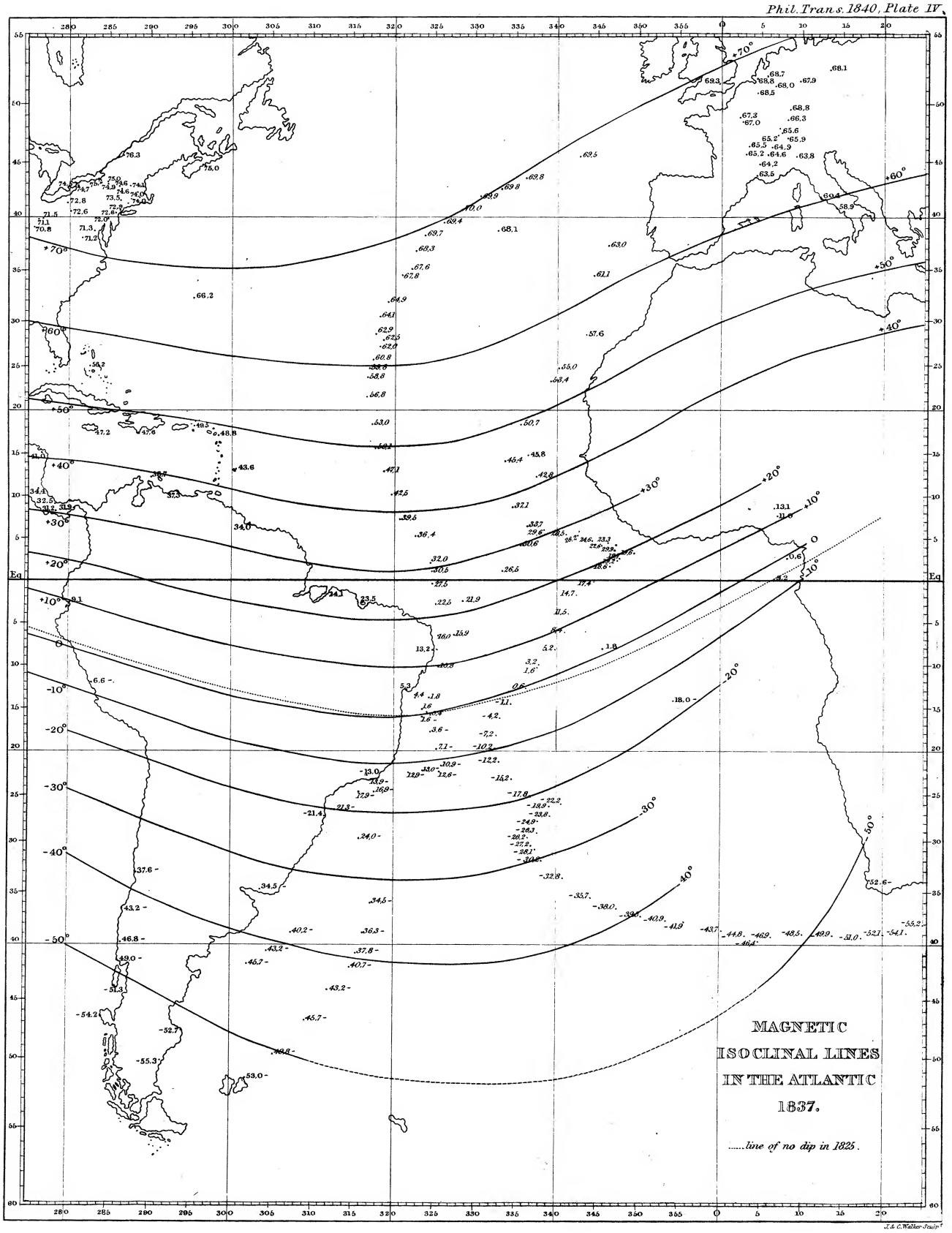
* An unusual quantity during the twenty-four hours.

The quantity of rain has been unusually great for the year 1839 compared with those for 1837 and 1838:—

1837,	In. Parts. 17.942	1838,	In. Parts. 19.537	and 1839,	In. Parts. 24.504.



MR DUNLOP'S OBSERVATIONS ON THE MAGNETIC DIP & INTENSITY BETWEEN THE MERIDIANS OF THE CAPE OF GOOD HOPE AND AUSTRALIA.



J. & C. Walker Sculp.